

In the Specification:

In the paragraph beginning with line 20 on page 14 and ending on line 5 of page 15, please delete reference character “302” on line 24 of page 14 and replace with --303--.

In the paragraph beginning with line 20 on page 14 and ending on line 5 of page 15, please delete reference character “302” on line 1 of page 15 and replace with --303--.

In the paragraph beginning with line 20 on page 14 and ending on line 5 of page 15, please delete reference character “302” on line 3 of page 15 and replace with --303--.

In the paragraph beginning with line 18 on page 15 and ending on line 2 of page 16, please delete the words “the areas of dielectric” on line 21 of page 15 and replace with --dielectric areas--.

In the paragraph beginning with line 18 on page 15 and ending on line 2 of page 16, please delete the words “areas of dielectric” on line 1 of page 16 and replace with --dielectric areas--.

The marked up and clean versions of the amended paragraphs referred to above appear below:

Marked up version of amended paragraph beginning with line 20 on page 14 and ending on line 5 of page 15:

Figure 3A shows a top view of the invention's inductor 300 in an area of a semiconductor chip. In this example, the inductor is configured as a "square spiral inductor." The four metal turns of inductor 300 are referred to by numerals 304, 306, 308, and 310. Metal turns 304, 306, 308, and 310 are patterned within dielectric [302] 303 in a manner known in the art. Thus, the areas of dielectric [302] 303 which are flanked by metal turns 304, 306, 308, and 310 are within the magnetic field that will be created by metal turns 304, 306, 308, and 310. Dielectric [302] 303 can be silicon dioxide or low-k dielectrics. Metal turns 304, 306, 308, and 310 can be aluminum, copper, or a copper-aluminum alloy.

Clean version of amended paragraph beginning with line 20 on page 14 and ending on line 5 of page 15:

B1. Figure 3A shows a top view of the invention's inductor 300 in an area of a semiconductor chip. In this example, the inductor is configured as a "square spiral inductor." The four metal turns of inductor 300 are referred to by numerals 304, 306, 308, and 310. Metal turns 304, 306, 308, and 310 are patterned within dielectric 303 in a manner known in the art. Thus, the areas of dielectric 303 which are flanked by metal turns 304, 306, 308, and 310 are within the magnetic field that will be created by metal turns 304, 306, 308, and 310. Dielectric 303 can be silicon dioxide or low-k dielectrics. Metal turns 304, 306, 308, and 310 can be aluminum, copper, or a copper-aluminum alloy.

Marked up version of amended paragraph beginning with line 18 on page 15 and ending on line 2 of page 16:

Figure 3B shows a cross section view of inductor 300 during the selective ion implantation step. Metal segments 304, 306, 308, and 310 are segments of metal turns 304, 306, 308, and 310, respectively. Photoresist 320 is shown patterned over all of the chip except [the areas of dielectric] dielectric areas 302 between metal segments 304, 306, 308, and 310. Ions, referred to generally by numeral 318, are blocked by photoresist 320 from penetrating the protected areas of the chip. However, ions 318 penetrate the unprotected [areas of dielectric] dielectric areas 302 that will be within the electromagnetic field created by metal turns 304, 306, 308, and 310 of the inductor.

Clean version of amended paragraph beginning with line 18 on page 15 and ending on line 2 of page 16:

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Figure 3B shows a cross section view of inductor 300 during the selective ion implantation step. Metal segments 304, 306, 308, and 310 are segments of metal turns 304, 306, 308, and 310, respectively. Photoresist 320 is shown patterned over all of the chip except dielectric areas 302 between metal segments 304, 306, 308, and 310. Ions, referred to generally by numeral 318, are blocked by photoresist 320 from penetrating the protected areas of the chip. However, ions 318 penetrate the unprotected dielectric areas 302 that will be within the electromagnetic field created by metal turns 304, 306, 308, and 310 of the inductor.